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**Patterson et al.**

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(54) **EXTENDABLE COMPARTMENT TRAILER ASSEMBLY AND METHODS OF OPERATION THEREOF**

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(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,210,540 A \* 8/1940 Nielson ..... A47C 17/80  
135/96  
2,249,845 A \* 7/1941 Mitchell ..... A47B 3/14  
108/129

(Continued)

**FOREIGN PATENT DOCUMENTS**

EP 0825305 A1 2/1998  
RU 109708 U1 10/2011

**OTHER PUBLICATIONS**

International Search Report and Written Opinion dated Aug. 27, 2015, regarding PCT/US2015/030183.

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(57) **ABSTRACT**

An extendable compartment assembly having a first compartment and a second compartment each having opposing sidewalls and a ceiling, a first frame coupled to the first compartment, a second frame coupled to the second compartment, and a slide assembly coupling the first frame to the second frame such that the second compartment is slideable relative to the first compartment between a first position and a second position. In the first position, the second compartment is at least partially disposed within the first compartment and in the second position the second compartment is at least partially disposed outside the first compartment. A hitch assembly comprising a base arm having first and second ends, a first mating arm coupled with the first end, a second mating arm coupled with the second end, and a bias member coupling the first mating arm to the second mating arm.

**20 Claims, 11 Drawing Sheets**

